characterizing large scale
Terms used: characterizing large scale

Sort results by relevance Save results to a Binder

Display results expanded form Open results in a new window

Refine these results with
Try this search in The AC

Results 1 - 20 of 2,454 Result page: 1 2 3 4 5 6 7 8 9 10 next >>

1 Automatically characterizing large scale program behavior

Timothy Sherwood, Erez Perelman, Greg Hamerly, Brad Calder
October 2002 ACM SIGPLAN Notices, Volume 37 Issue 10
Publisher: ACM
Full text available: pdf(1.54 MB) Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 150, Citation Count: 165

Understanding program behavior is at the foundation of computer architecture and program optimization. Many programs have wildly different behavior on even the very largest of scales (over the complete execution of the program). This realization has ...

2 Automatically characterizing large scale program behavior

Timothy Sherwood, Erez Perelman, Greg Hamerly, Brad Calder
October 2002 ASPLOS-X: Proceedings of the 10th international conference on Architectural support for programming languages and operating systems
Publisher: ACM
Full text available: pdf(1.54 MB) Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 150, Citation Count: 165

Understanding program behavior is at the foundation of computer architecture and program optimization. Many programs have wildly different behavior on even the very largest of scales (over the complete execution of the program). This realization has ...

3 Automatically characterizing large scale program behavior

Timothy Sherwood, Erez Perelman, Greg Hamerly, Brad Calder
December 2002 ACM SIGARCH Computer Architecture News, Volume 30 Issue 5
Publisher: ACM
Full text available: pdf(1.54 MB) Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 150, Citation Count: 165

Understanding program behavior is at the foundation of computer architecture and program optimization. Many programs have wildly different behavior on even the very largest of scales (over the complete execution of the program). This realization has ...

4 Automatically characterizing large scale program behavior

Timothy Sherwood, Erez Perelman, Greg Hamerly, Brad Calder
December 2002 ACM SIGOPS Operating Systems Review, Volume 36 Issue 5
Publisher: ACM
Full text available: pdf(1.54 MB) Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 150, Citation Count: 165

Understanding program behavior is at the foundation of computer architecture and program optimization. Many programs have wildly different behavior on even the very largest of scales (over the complete execution of the program). This realization has ...

5 Characterizing and assessing a large-scale software maintenance organization

Lionel Briand, Walcélio Melo, Carolyn Seaman, Victor Basili
April 1995 ICSE '95: Proceedings of the 17th international conference on Software engineering
Publisher: ACM
Full text available: pdf(1.09 MB) Additional Information: full citation, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 33, Citation Count: 9

6 Decoding the structure of the WWW: A comparative analysis of Web crawls

M. Ángeles Serrano, Ana Maguitman, Marián Boguñá, Santo Fortunato, Alessandro Vespignani
August 2007 ACM Transactions on the Web (TWEB), Volume 1 Issue 2
Publisher: ACM
Full text available: pdf(516.03 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 32, Downloads (12 Months): 479, Citation Count: 0

The understanding of the immense and intricate topological structure of the World Wide Web (WWW) is a major scientific and technological challenge. This has been recently tackled by characterizing the properties of its representative graphs, in which ...

Keywords: Web graph structure, Web measurement, crawler biases, statistical analysis

7 Availability, usage, and deployment characteristics of the domain name system

Jeffrey Pang, James Hendricks, Aditya Akella, Roberto De Prisco, Bruce Maggs, Srinivasan Seshan
October 2004 IMC '04: Proceedings of the 4th ACM SIGCOMM conference on Internet measurement
Publisher: ACM
Full text available: pdf(856.34 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 127, Citation Count: 0

The Domain Name System (DNS) is a critical part of the Internet's infrastructure, and is one of the few examples of a robust, highly-scalable, and operational distributed system. Although a few studies have been devoted to characterizing its properties, ...

Keywords: DNS, availability, federated

8 Exploring the cache design space for large scale CMPs

Lisa Hsu, Ravi Iyer, Srihari Makineni, Steve Reinhardt, Donald Newell
November 2005 ACM SIGARCH Computer Architecture News, Volume 33 Issue 4

Publisher: ACM
Full text available: pdf(347.09 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 151, Citation Count: 0

With the advent of dual-core chips in the marketplace, small-scale CMP (chip multiprocessor) architectures are becoming commonplace. We expect a continuing trend of increasing the number of cores on a die to maximize the performance/power efficiency ...

9 Simulation methods for analysis of traffic processes in ATM networks
Kenneth Y. Jo, Christopher Munk
December 2000 WSC '00: Proceedings of the 32nd conference on Winter simulation
Publisher: Society for Computer Simulation International
Full text available: pdf(605.81 KB) Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 26, Citation Count: 0

This paper presents efficient simulation methods for analyzing modern, large-scale networks and evaluating their performance attributes. Characterizing traffic flows from multiple sources and applications is key in assessing overall network performance ...

10 Scale invariant pareto optimality: a meta--formalism for characterizing and modeling cooperativity in evolutionary systems
Mark Fleischer
June 2005 GECCO '05: Proceedings of the 2005 conference on Genetic and evolutionary computation
Publisher: ACM
Full text available: pdf(491.82 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 89, Citation Count: 0

This article describes a mathematical framework for characterizing cooperativity in complex systems subject to evolutionary pressures. This framework uses three foundational components that constitute a *meta-formalism* that can be utilized in a ...

Keywords: complex systems, multi-objective optimization, pareto optima, self-organization, self-organized criticality, swarm intelligence

11 Deconstructing Commodity Storage Clusters
Haryadi S. Gunawi, Nitin Agrawal, Andrea C. Arpaci-Dusseau, Remzi H. Arpaci-Dusseau, Jiri Schindler
June 2005 ISCA '05: Proceedings of the 32nd annual international symposium on Computer Architecture
Publisher: IEEE Computer Society
Full text available: pdf(269.90 KB) Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 58, Citation Count: 3

The traditional approach for characterizing complex systems is to run standard workloads and measure the resulting performance as seen by the end user. However, unique opportunities exist when characterizing a system that is itself constructed from standardized ...

12 Deconstructing Commodity Storage Clusters

Haryadi S. Gunawi, Nitin Agrawal, Andrea C. Arpaci-Dusseau, Remzi H. Arpaci-Dusseau, Jiri Schindler

May 2005 ACM SIGARCH Computer Architecture News, Volume 33 Issue 2

Publisher: ACM

Full text available: pdf(269.90 KB) Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 58, Citation Count: 3

The traditional approach for characterizing complex systems is to run standard workloads and measure the resulting performance as seen by the end user. However, unique opportunities exist when characterizing a system that is itself constructed from standardized ...

13 Covering arrays for efficient fault characterization in complex configuration spaces

Cemal Yilmaz, Myra B. Cohen, Adam Porter

July 2004 ISSTA '04: Proceedings of the 2004 ACM SIGSOFT international symposium on Software testing and analysis

Publisher: ACM

Full text available: pdf(184.92 KB) Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 43, Citation Count: 9

Testing systems with large configurations spaces that change often is a challenging problem. The cost and complexity of QA explodes because often there isn't just one system, but a multitude of related systems. Bugs may appear in certain configurations, ...

Keywords: covering arrays, distributed continuous quality assurance, fault characterization, software testing

14 Covering arrays for efficient fault characterization in complex configuration spaces

Cemal Yilmaz, Myra B. Cohen, Adam Porter

July 2004 ACM SIGSOFT Software Engineering Notes, Volume 29 Issue 4

Publisher: ACM

Full text available: pdf(184.92 KB) Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 43, Citation Count: 9

Testing systems with large configurations spaces that change often is a challenging problem. The cost and complexity of QA explodes because often there isn't just one system, but a multitude of related systems. Bugs may appear in certain configurations, ...

Keywords: covering arrays, distributed continuous quality assurance, fault characterization, software testing

15 Scalable compression and replay of communication traces in massively parallel environments

Michael Noeth, Jaydeep Marathe, Frank Mueller, Martin Schulz, Bronis de Supinski

November 2006 SC '06: Proceedings of the 2006 ACM/IEEE conference on Supercomputing

Publisher: ACM

Full text available: html(2.03 KB) Additional Information: full citation, abstract, index terms

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 9, Citation Count: 0

Characterizing the communication behavior of large-scale applications is a difficult and costly task due to code and system complexity as well as the time to execute such codes. An alternative to run actual codes is to gather their communication traces ...

16 Queueing network models of multimicrocomputer networks

Daniel A. Reed
August 1983 SIGMETRICS '83: Proceedings of the 1983 ACM SIGMETRICS conference on Measurement and modeling of computer systems
Publisher: ACM
Full text available: pdf(631.39 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 13, Citation Count: 0

Recent developments in very large scale integration have made it feasible to construct a highly parallel computer composed of large numbers of interconnected microcomputers. The modeling problems posed by this approach to parallel processing differ in ...

17 Clustering on the Unit Hypersphere using von Mises-Fisher Distributions

Arindam Banerjee, Inderjit S. Dhillon, Joydeep Ghosh, Suvrit Sra
December 2005 The Journal of Machine Learning Research, Volume 6
Publisher: MIT Press
Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 0

Several large scale data mining applications, such as text categorization and gene expression analysis, involve high-dimensional data that is also inherently directional in nature. Often such data is L_2 normalized so that it lies on ...

18 Decomposable modeling in natural language processing

Rebecca F. Bruce, Janyce M. Wiebe
June 1999 Computational Linguistics, Volume 25 Issue 2
Publisher: MIT Press
Full text available: pdf(921.88 KB) Publisher Site Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 29, Citation Count: 7

In this paper, we describe a framework for developing probabilistic classifiers in natural language processing. Our focus is on formulating models that capture the most important interdependencies among features, to avoid overfitting the data while also ...

19 Applications of weighted Voronoi diagrams and randomization to variance-based k-clustering: (extended abstract)

Mary Inaba, Naoki Katoh, Hiroshi Imai
June 1994 SCG '94: Proceedings of the tenth annual symposium on Computational geometry
Publisher: ACM
Full text available: pdf(760.37 KB) Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 157, Citation Count: 20

In this paper we consider thek-clustering problem for a set S of n points i=xi in thed-dimensional ...

20 Matching slides to presentation videos using SIFT and scene background matching

Quanfu Fan, Kobus Barnard, Arnon Amir, Alon Efrat, Ming Lin
October 2006 MIR '06: Proceedings of the 8th ACM international workshop on Multimedia information retrieval
Publisher: ACM
Full text available: pdf(2.04 MB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 120, Citation Count: 0

We present a general approach for automatically matching electronic slides to videos of corresponding presentations for use in distance learning and video proceedings of conferences. We deal with a large variety of videos, various frame compositions ...

Keywords: RANSAC, SIFT keypoints, color correction, electronic slides, looseness +1 distance learning, presentation videos, video indexing

Results 1 - 20 of 2,454 Result page: 1 2 3 4 5 6 7 8 9 10 next >>